

Johns-Manville



TRANSITE
MOVABLE ASBESTOS

WALLS



For interior areas with low ceilings maximum utility for private offices is best obtained when the area is sub-divided with Johns-Manville free-standing Transite partitions.

Left: Here is shown a 7' 6" free-standing Transite and glass wall with full sized doors.



Above: Another example of free-standing walls in a low ceiling area is this 6' 0" Transite and glass bank screen. Note the high gate.



In this executive office the Imperial walls were finished with wood veneer and photo murals applied directly to the Transite panels. An unlimited variety of treatments is possible with these modern movable partitions.

IMPERIAL TYPE J-M TRANSITE WALLS

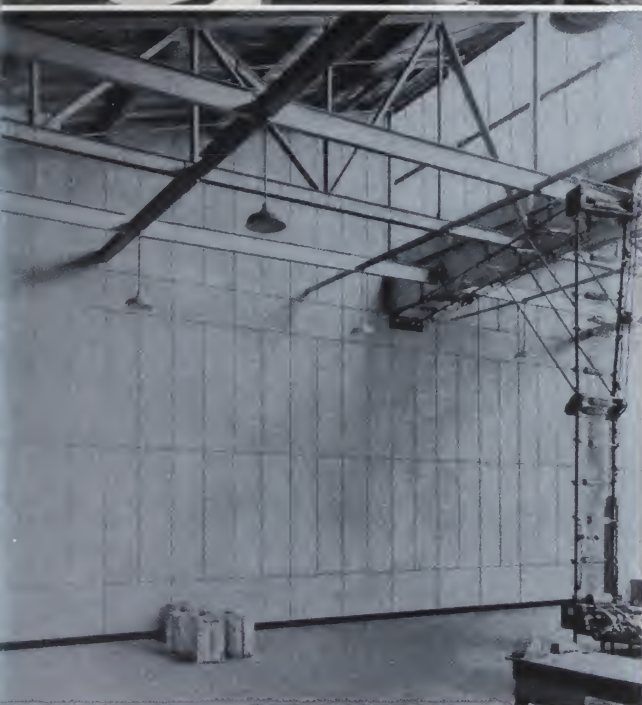
While it is true that many types of movable partitions have been available, most of them presented a temporary appearance and were not too well adapted to making changes economically and quickly. With the development of Imperial type of Transite Walls, Johns-Manville is able to offer a movable wall which will function as a permanent wall yet which can be dismantled and re-erected in another location at a minimum of expense, time, and inconvenience.

Imperial walls are panels of Transite hung on steel studs in a patented construction, forming a rigid double-faced partition 4" in thickness and possessing great strength and solidity. Such a partition, built of fireproof materials, offers advantages of privacy and quiet that are usually associated only with solid masonry building walls. Wiring, electrical outlets, etc., are easily incorporated in the walls. The surfaces are flush and projection free and lend themselves to any type of decorative treatment.

JOHNS -



Typical application of Imperial panels to the exterior walls of a large office building.



Standard walls in a large industrial plant. Wall shown is over 36 feet high; yet, rigid and solid, it retains all of its movable features. Imperial walls are being widely used in all types of industrial buildings.

Flush, projection free Imperial walls in ceiling high and rail construction give this office its simplicity of line and modern appearance. Base is of factory finished Transite, easily removable for access to wiring, etc.



MANVILLE TRANSITE WALLS *Imperial Type*



FOR SCHOOLS—ACADEMIC AND VOCATIONAL



Johns-Manville Transite Asbestos Movable Walls as used in a classroom of a western university.

The educational needs of any community are ever changing and unpredictable. Often, it may become desirable to expand or subdivide school-room units or to convert a school from one type to another as from grade school to junior high, or from academic to vocational.

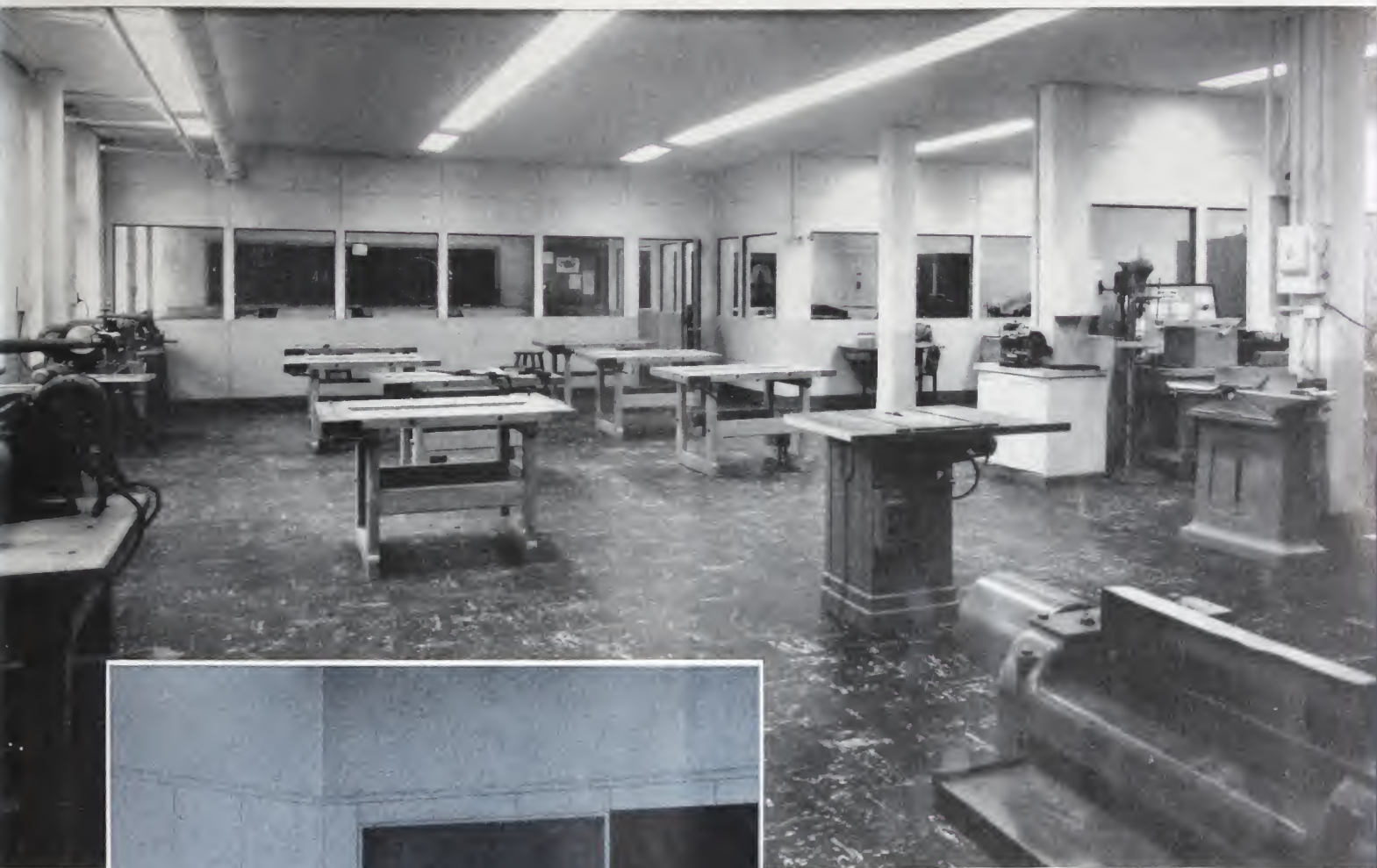
Transite Walls provide this needed flexibility. They are quickly erected or relocated to keep pace with community growth or educational progress. Because of their "dry wall" construction, eliminating dust, dirt and dampness, and the quickness and ease of installation, Transite Walls may be erected during the school term without interruption to normal school routine.

Transite Walls are practically 100% salvageable; their surfaces are hard to mar and projection free. Easily cleaned, they cut down maintenance time and expense, a big factor in all school budgets.

The simple, modern lines of Transite Walls present an attractive appearance and create a cheerful atmosphere for teacher and student alike.

Imperial Type

JOHNS-MANVILLE



Above: The adaptability of Transite Walls in the construction of school room interiors is strikingly illustrated in this photo of a vocational school room in the Industrial Art Department of North Carolina State College at Raleigh, N. C. The projection free surfaces of Transite Walls are easily cleaned, do not collect dust, and make for lower maintenance cost.



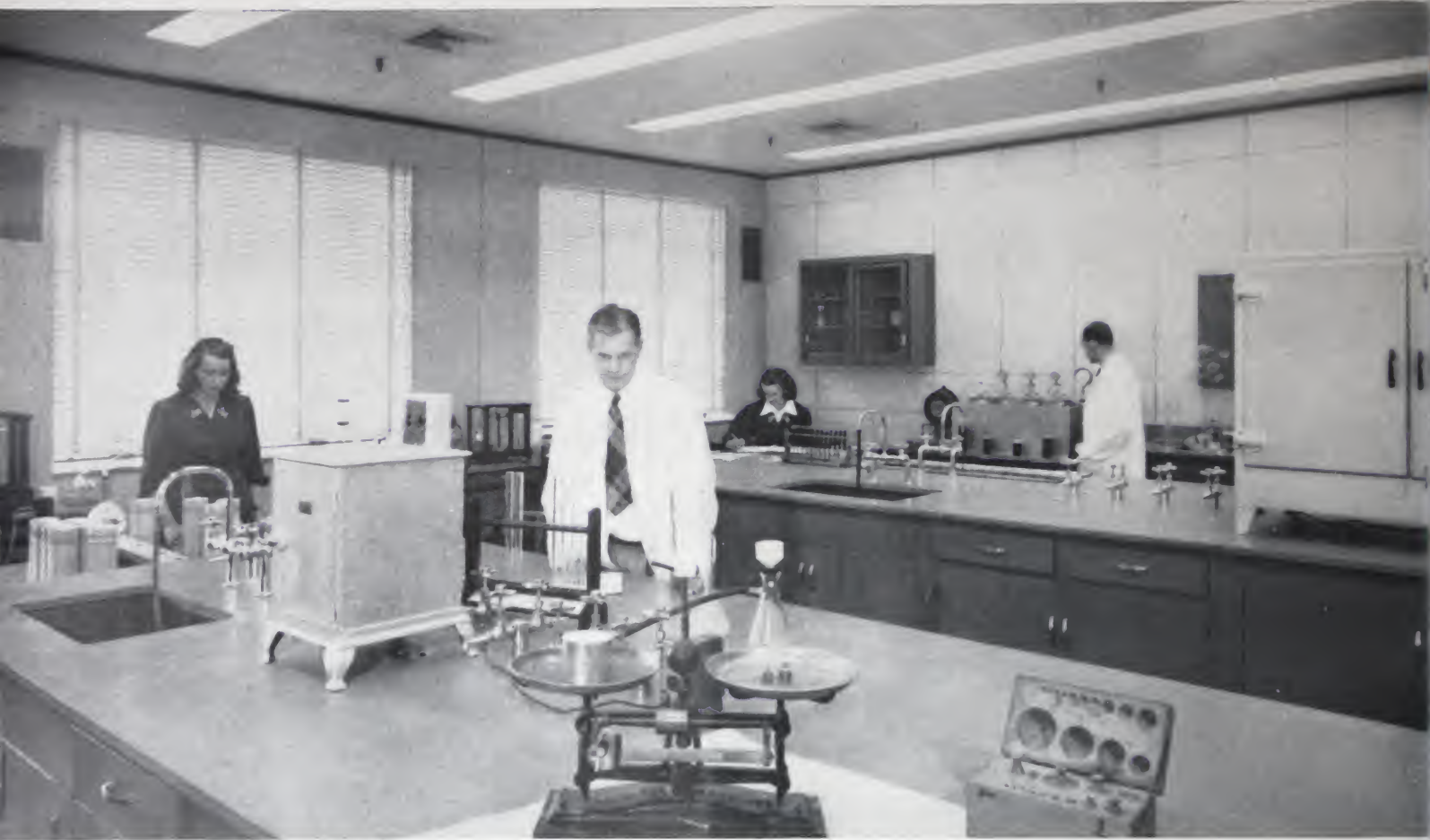
Left: Photo of a Transite wall installation at the Industrial Arts Department of Burriss School, Ball State Teachers College at Muncie, Indiana. Chalk boards and cork boards may be either an integral part of the wall or surface-applied as in photo.

In the installations shown here the use of Imperial Transite Walls gives the added advantage of providing a good degree of attenuation against airborne noise, an advantage which is particularly desirable in busy areas.

TRANSITE WALLS

Imperial Type

FOR INDUSTRIAL RESEARCH LABORATORIES



Above is shown an industrial research laboratory with complete Transite treatment of the exterior walls including Transite convector enclosures and Transite window heads. In this laboratory all service lines are concealed within the Transite laboratory partitions.

One of the major trends in the industrial pattern is the establishment of an increasing number of new and modern research laboratories.

This means that architects and engineers are giving more and more study and time to developing the proper techniques of laboratory design and construction.

Transite Asbestos Movable Walls offer a flexibility that is eminently adapted to this type of construction. Transite Walls permit the rapid expansion or reduction of laboratory spaces, or the easy removal and re-erection of the laboratory to another area.

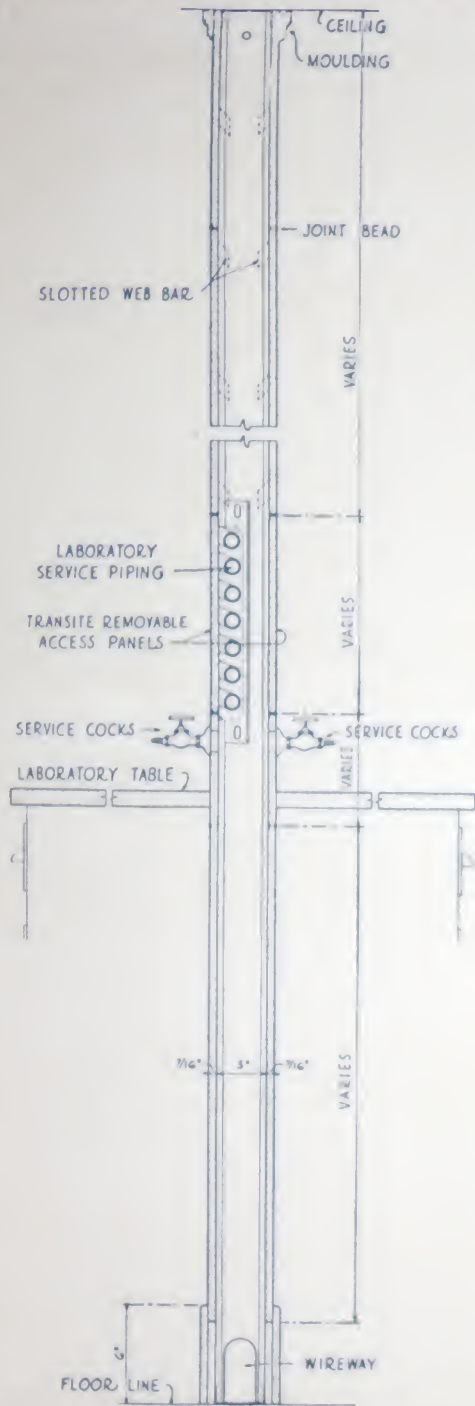
Their smooth, projection-free surfaces are easily maintained and kept clean and dust free. Transite Walls can be specifically designed to contain laboratory services, electrical wiring, etc., which are always easily accessible by the removal of Transite panels.

As shown in illustration, shelves capable of supporting heavy loads can be installed as required by using a unique method of bracket construction.

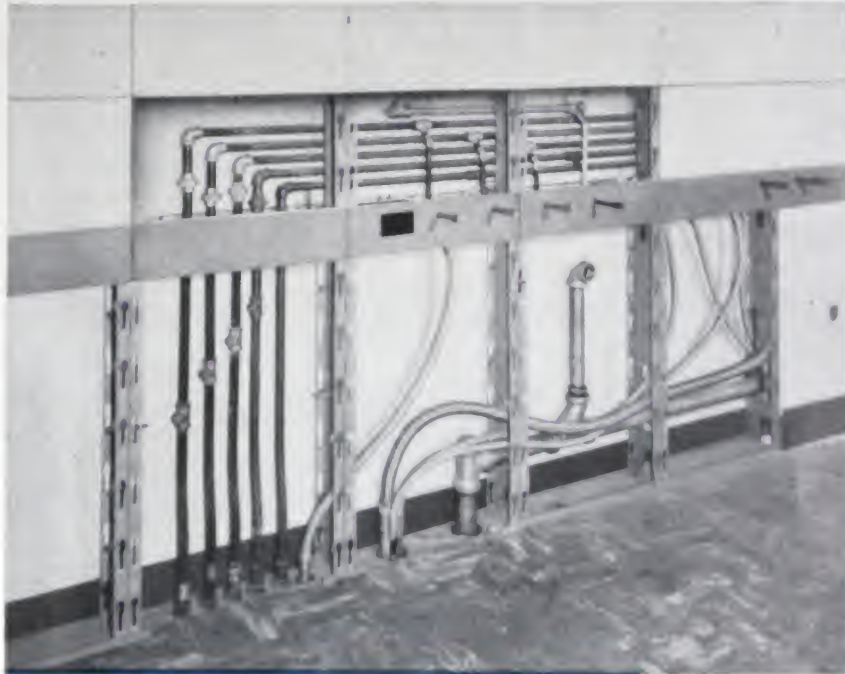
Imperial Type

JOHNS - MANVILLE

RESEARCH LABORATORY CONSTRUCTION DETAILS



Above: Cross section shows laboratory service piping concealed in the Transite walls. This manner of installation permits service to two separate laboratories from one set of service piping.



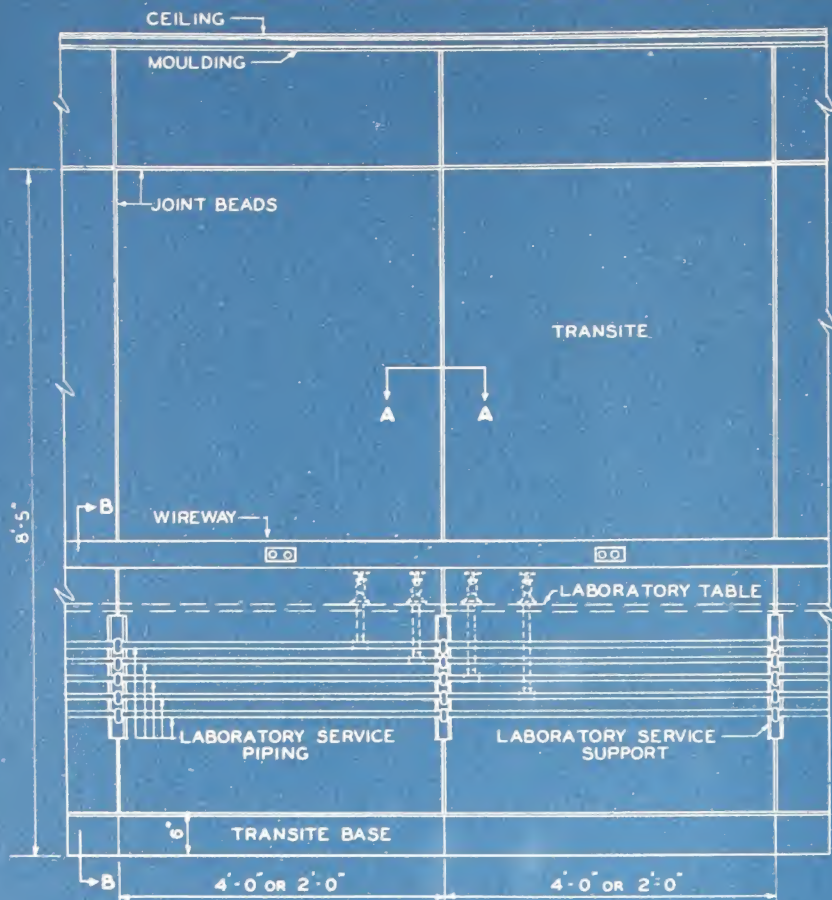
Above: J-M Transite Walls with the Transite access panels removed to show how laboratory service piping is installed within the wall construction.
Below: A free standing wall for island laboratory benches. Note particularly how drain lines and electrical conduit are installed within the wall.



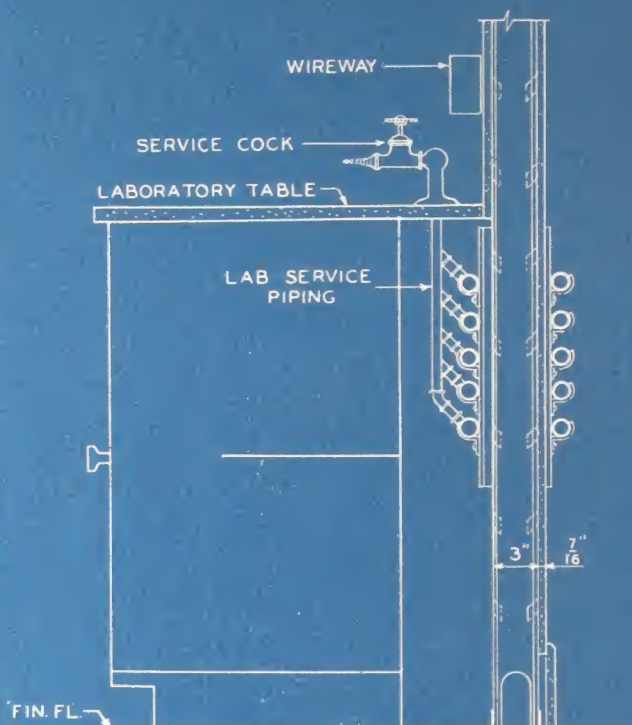
TRANSITE WALLS

Imperial Type

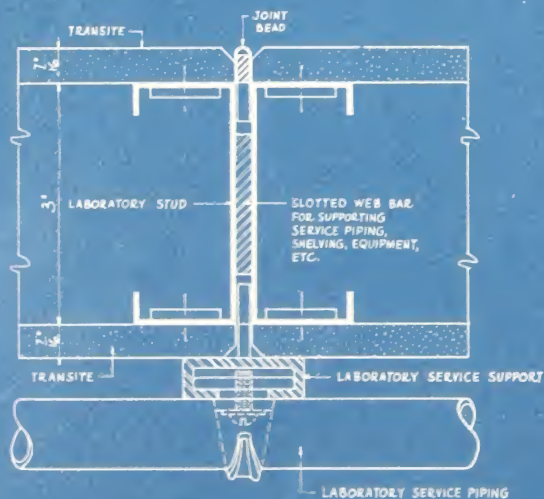
RESEARCH LABORATORY CONSTRUCTION DETAILS



ELEVATION OF LABORATORY WALL SERVICES SUPPORTED EXTERNALLY



SECTION "B-B"



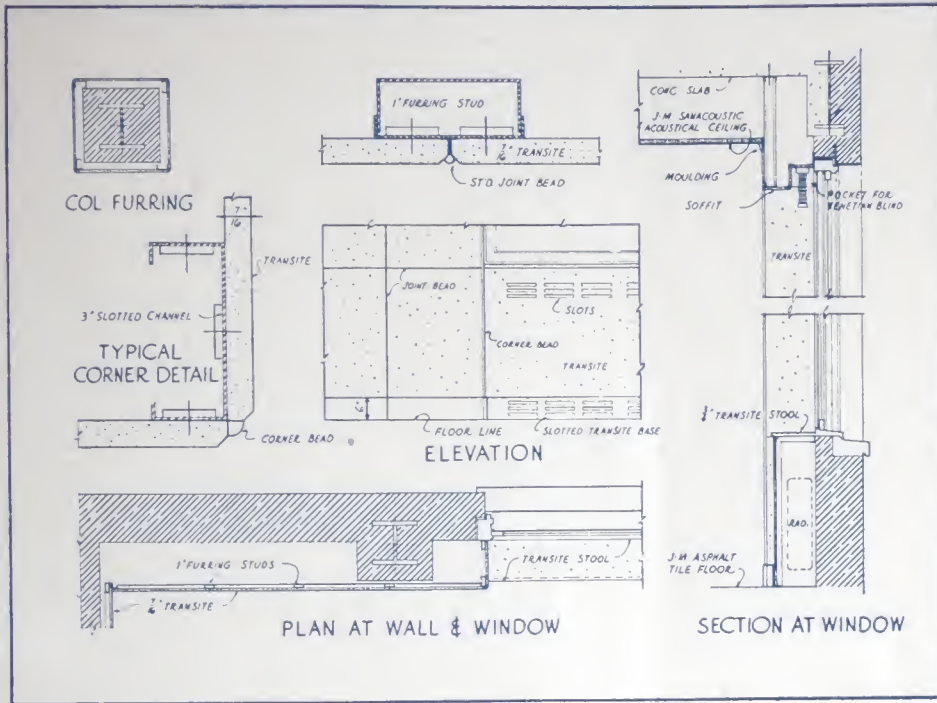
PLAN SECTION AT "A-A"

Upper left: Elevation of laboratory wall showing laboratory service piping supported externally on the Transite walls instead of being concealed. Lower left: Plan section of the above elevation shows how laboratory service piping is supported by laboratory service supports, installed between joints of the Transite panels. Upper right: Cross section of laboratory wall showing laboratory service piping externally supported.

Imperial Type

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TRANSITE WALL FURRING FOR STRUCTURAL WALLS



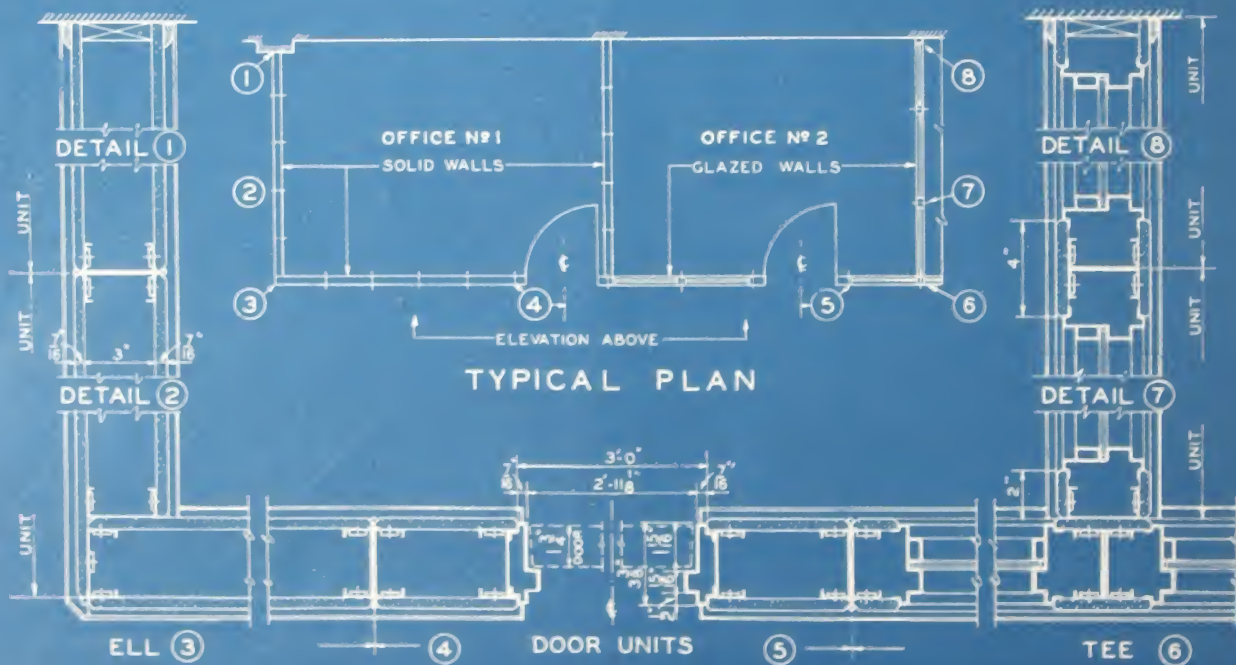
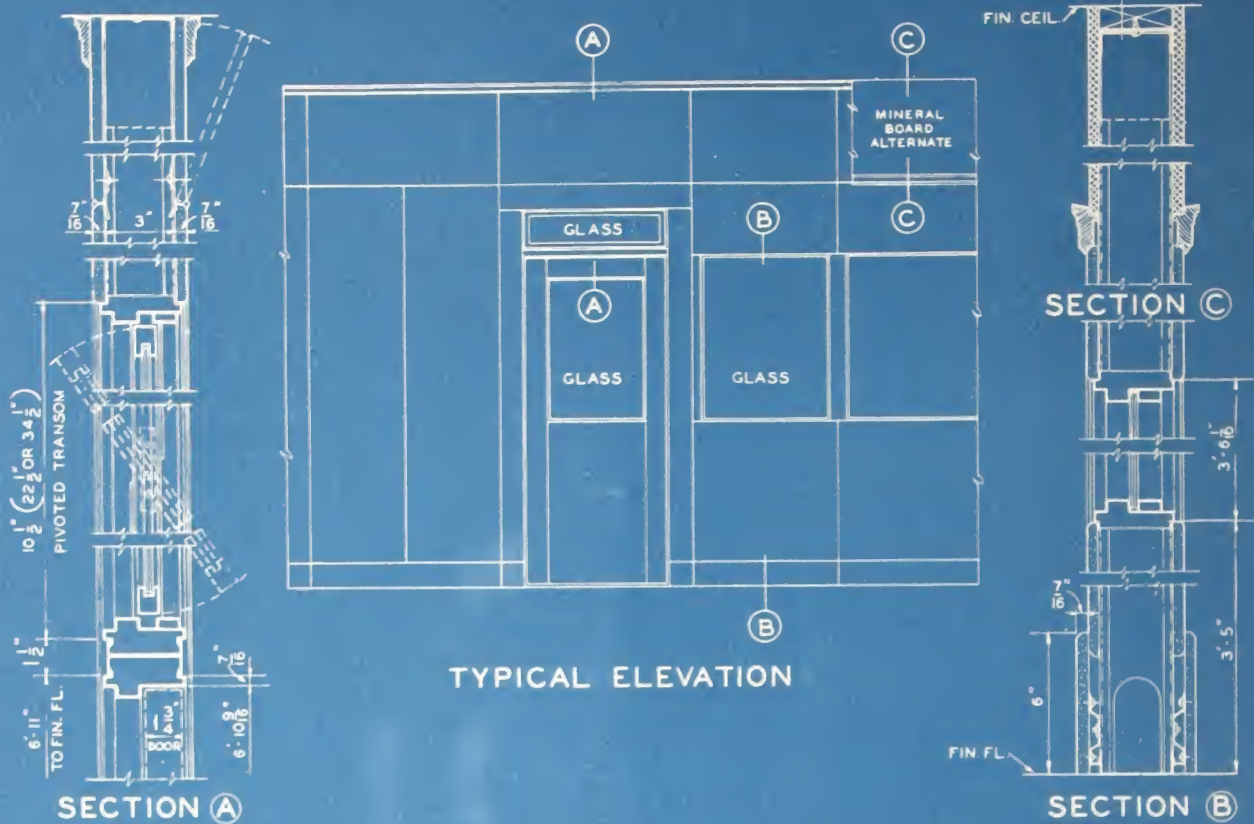
Illustrated below is an elevation showing application of Transite wall furring for structural walls. Note how easy and practical it is to adapt Transite to window openings and for concealed radiation. Grilles for radiation are neatly cut in the Transite. Bank screen in rear and dividing partitions are also Transite, thus giving a complete uniformity to the entire interior. At left are shown typical details of this type of construction.



TRANSITE WALLS

Imperial Type

CONSTRUCTION DETAILS IMPERIAL TYPE TRANSITE WALLS



Imperial Type

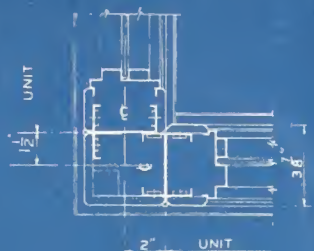
JOHNS-MANVILLE



SECTION
FREE STANDING WALL
AND THRU POST



ALTERNATE CORNER
GLAZED WALL



CORNER
GLAZED WALL

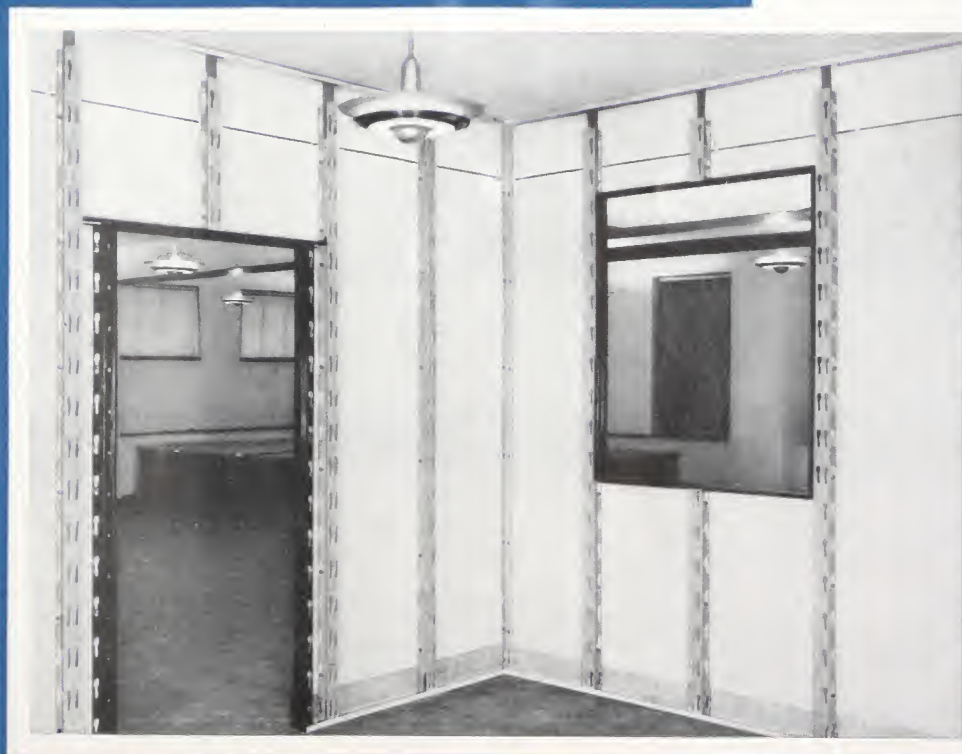


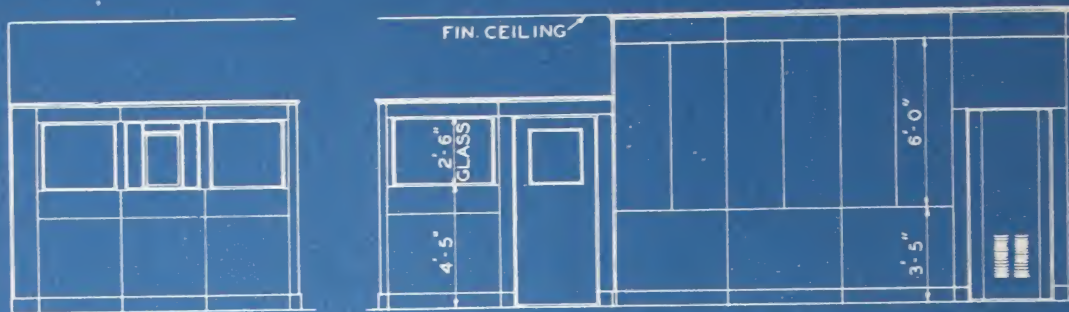
SECTION THRU
BANK SCREEN



RAILING END
WITH GATE

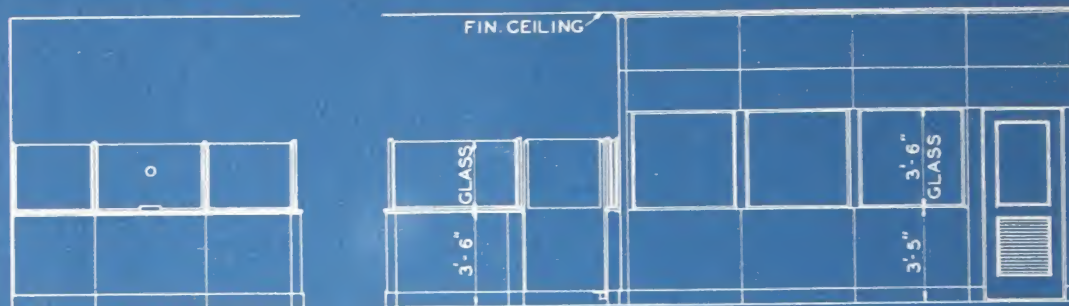
In this construction photo, the Transite panels have been omitted from one side to show simplicity of basic construction. Note how door and window units readily work into standard stud spacing.





**FREE STANDING WALL
HIGH DADO**

SOLID WALL



BANK SCREEN

**GLAZED WALL
STD. DADO**



RAILING

GLAZED WALL

TYPES OF IMPERIAL TRANSITE WALLS

The above elevations show typical arrangements of standard Transite panels—light frames, doors and transoms. All units of the same width are interchangeable. Thus great latitude is attained in panel arrangement and in wall design, permitting unlimited flexibility in the relocation of doors and light frames. Standard Transite panels can be added above these walls to heights as great as forty feet.

Imperial Type

JOHNS - MANVILLE

CHECK THESE ADVANTAGES OF IMPERIAL WALLS

- 1 EASILY AND QUICKLY ERECTED**—Made possible by exclusive patented features and by use of easily handled component units.
- 2 ENTIRELY DRY CONSTRUCTION**—Eliminates dirt and mess, common in masonry construction. No long delays for drying out before the decorative plan can be completed. Permits walls to be painted immediately if desired.
- 3 RELOCATION WITH 100% SALVAGE**—The use of interchangeable parts assures maximum re-use of all materials, in event that offices are relocated or partition changes made subsequent to the original installation.
- 4 REQUIRES NO SPECIAL TOOLS FOR ERECTION**—Ordinary carpenters' tools are all that are required. No specially trained labor is necessary. Mechanics accustomed to other types of movable partitions testify to the ease of making changes with Transite Walls.
- 5 SOLID CONSTRUCTION**—Transite itself is a strong, rigid material. In the Imperial Type wall, the panels are hung on steel studs which are part of a sturdy steel framework. The result is a construction which possesses a solidity and strength seldom found in a movable type partition.
- 6 VIRTUALLY ABUSE-PROOF**—Made of asbestos and Portland cement combined into a homogeneous slab, Transite is a material of great structural strength and rigidity. Its surface is highly resistant to shock and abrasion and will not crack or dent under severe abuse. Unsightly mop marks will not be found on Transite base. The original lustre of its Baked Lacquer finish is not dimmed by daily mopping with cleaning compounds.
- 7 FIRE-RESISTANT AND DURABLE**—Composed entirely of asbestos and cement, the material Transite is fireproof and immune to rot or decay. As a fire-retardant, Transite Walls, Imperial Type, have been tested by the Testing Laboratories of Columbia University and accepted generally by building commissioners for use where walls capable of passing a one-hour fire test are required.
- 8 SOUND RESISTANT**—Superior to ordinary types of movable partitions in sound resistance, Imperial Type Transite Walls offer advantages of privacy and quiet that are usually associated only with solid masonry walls. The fact that these movable partitions are today in widespread use, both as walls for private offices and for segregating factory offices from busy work areas, demonstrates their ability to provide ample resistance to sound transmission for all normal requirements.
- 9 ADAPTABLE TO ANY DECORATIVE TREATMENT**—The Imperial Type, with its great flexibility of panel arrangement, permits a wide choice of wall design. The panels may be applied either vertically or horizontally and finished in almost any manner desired—with paint, lacquer, wood veneer, fabric, etc. Where desired, both the decorative finish and the panel scheme may be varied on opposite sides of the same wall.
- 10 WIRING AND PIPING EASILY ACCESSIBLE**—This is an important advantage when changes or repairs are necessary. Wiring and piping concealed within Transite Walls, Imperial Type, are accessible with a minimum of disturbance and without any of the litter necessary with plaster walls. Furthermore, they may be placed anywhere within the walls—do not have to be confined to vertical or horizontal members.

SPECIFICATIONS for IMPERIAL TYPE—SHORT FORM

GENERAL: The work contemplated under this specification shall include all material, labor, equipment and services necessary for the installation of interchangeable Johns-Manville Movable Transite Walls, Imperial Type (state in detail work to be done), as shown on drawings herein specified.

SHOP DRAWINGS: Shop drawings showing details of construction, layout, standard hardware, fittings, anchors, etc., shall be submitted for approval.

MATERIAL: Concealed structural members shall be 20 gauge steel. All exposed Transite sheets shall be hung with concealed fastenings to permit the removal and replacement of sheets. Transite shall be 7/16" thick with smooth, true surfaces. All material shall be the manufacturer's standard

for Imperial Type Transite Walls.

CONSTRUCTION: Anchor floor and ceiling channels. Apply stud extensions to studs to proper length. Install studs in floor and ceiling channels, ready to receive Transite sheets, all in accordance with Transite Wall standard details and methods of erection, with finish as required (state in detail finish desired).

WORKMANSHIP: The finished work shall be strong, rigid, neat in appearance, and free from defects or buckles. Walls or partitions shall be erected in a rigid, substantial manner, straight and plumb, and with horizontal lines level. Hardware shall be carefully adjusted, and entire work completed and left in satisfactory condition.

UNIVERSAL TYPE J-M TRANSITE WALLS



Universal Walls are priced so as to be within reach of anyone having a partitioning problem.

Rugged asbestos-cement has again been utilized to produce a movable wall. The panels forming the finished wall consist of a sealed core faced on both sides with asbestos-cement sheets and furnished as complete wall sections 1¾" in thickness. Space for wiring is provided within the partition and is easily accessible. Because of its simplified construction, it is one of the easiest and most economical of all movable partitions to erect and relocate. Universal walls present a flush, projection-free surface that can be decorated as required or left in its natural finish.

Note in this private office that the Universal wall has the rigid, durable appearance of permanency, yet it may be dismantled and relocated with complete salvage of materials.

The characteristic of all Transite walls is that they present a modern, architectural simplicity of design eminently adaptable to any type of interior.



Universal Type

JOHNS-MANVILLE



This office is a typical installation of ceiling-high Universal walls. The panels can be left in their pleasing, natural finish, or painted to meet architectural requirements.

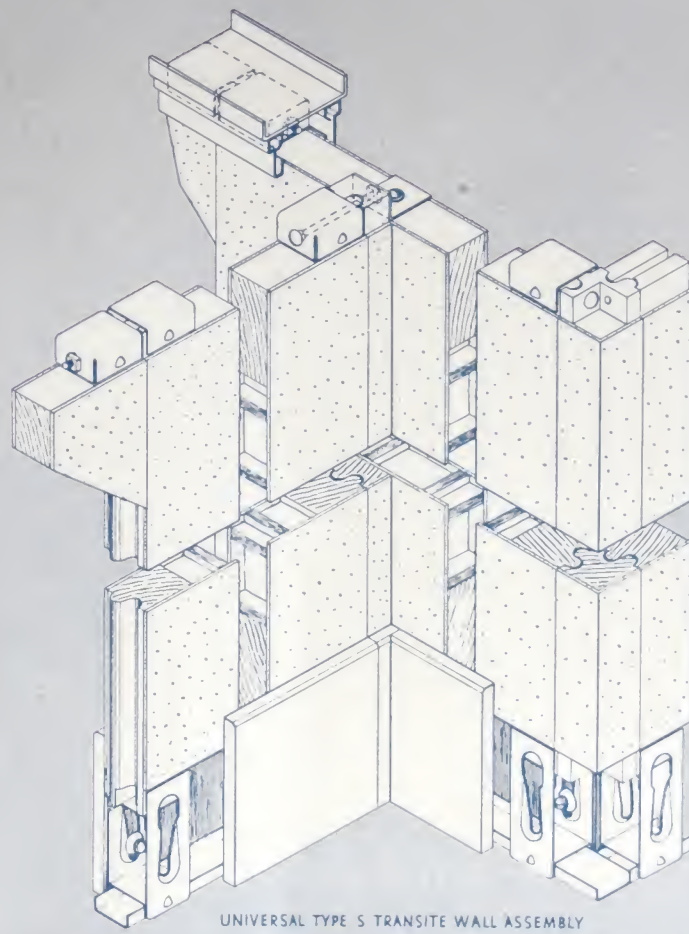
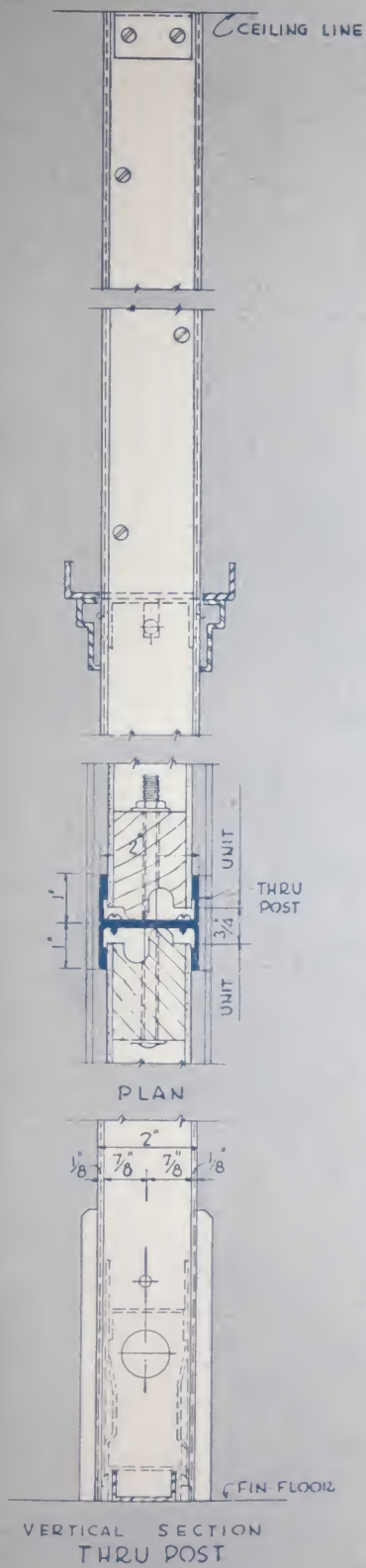
A free-standing partition of standard Universal panels, combined in borrowed light construction. Base is of factory finished Transite, easily removable for access to wiring, etc.

Universal walls, as their name implies, are adaptable to many uses. These offices provide the required degree of privacy, yet can be quickly taken down and used in another location if conditions so demand.



TRANSITE WALLS

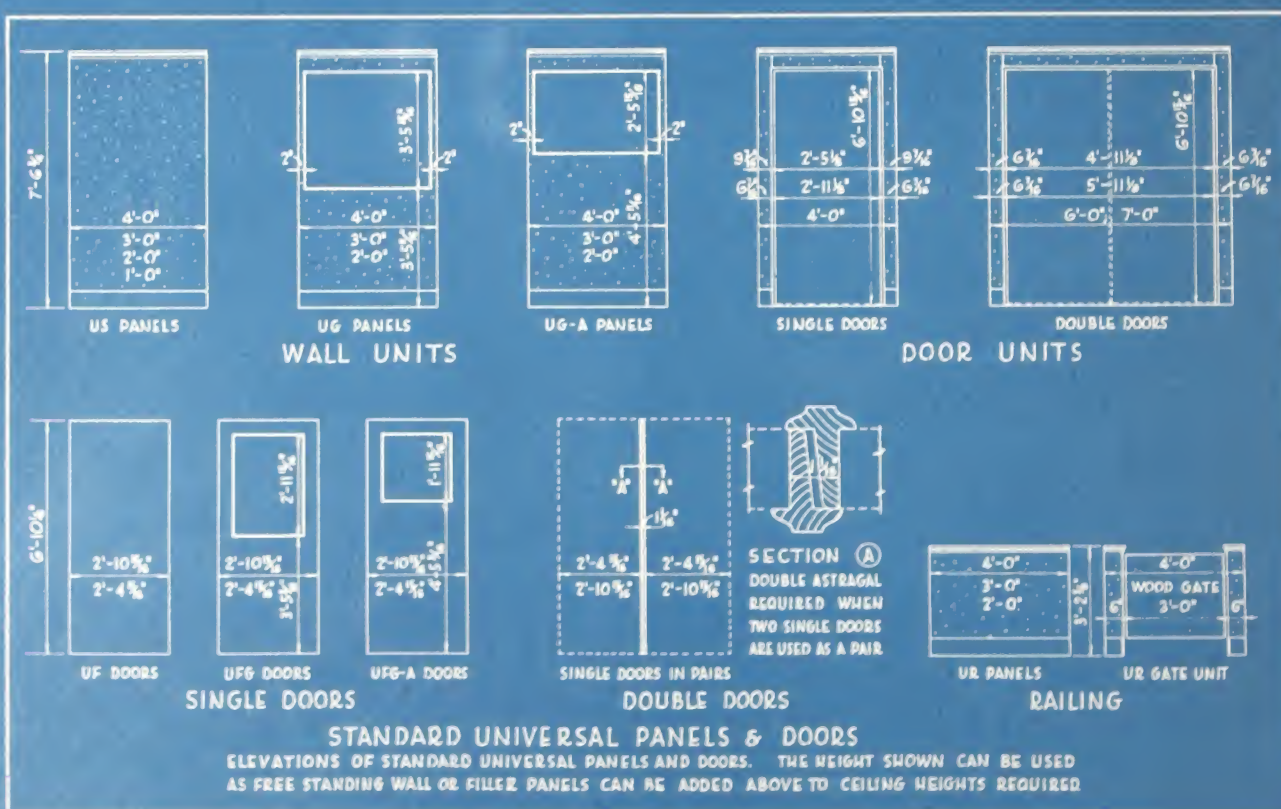
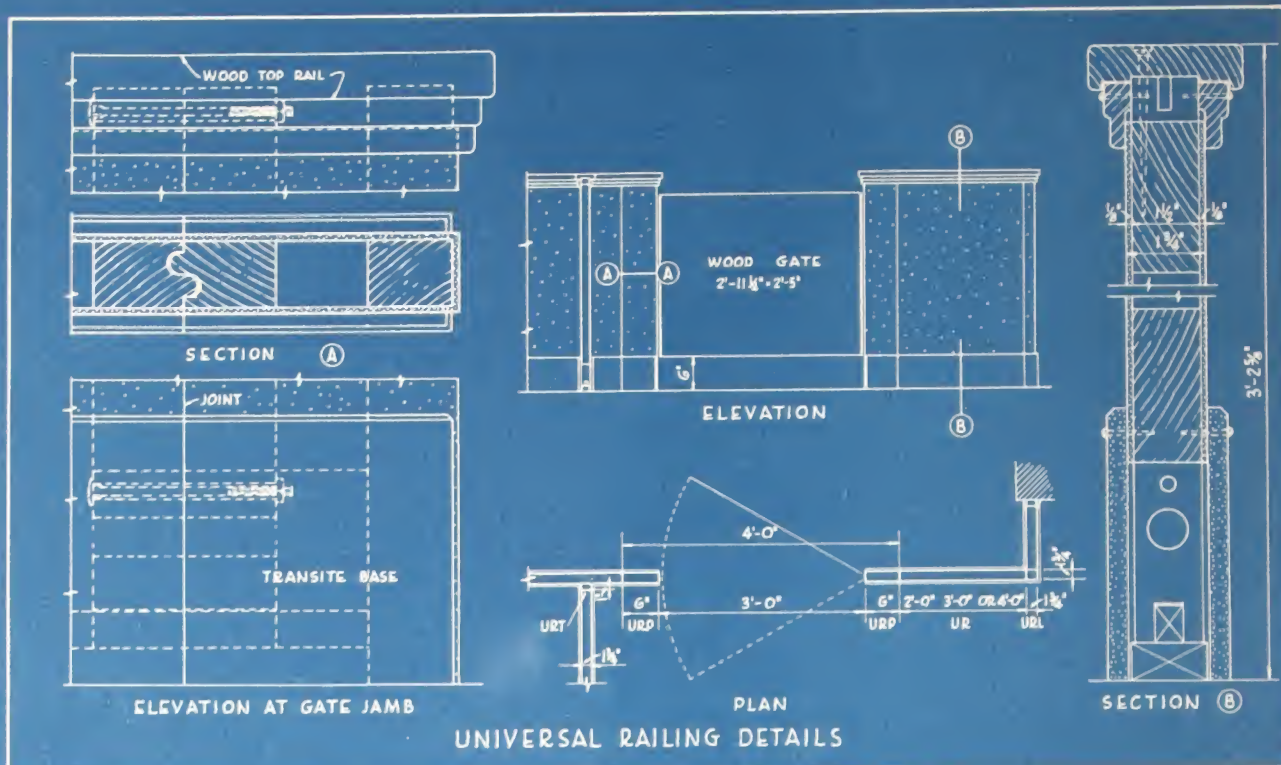
Universal Type



Above: Universal type Transite Walls in process of erection. Note ease of handling.

TRANSITE WALLS

Universal Type



Universal Type

JOHNS - MANVILLE

CHECK THESE ADVANTAGES OF UNIVERSAL WALLS

- 1 LOW IN COST**—Because of simplicity of design and ease of erection. Possesses qualities usually found only in movable partitions of a more costly nature.
- 2 STURDY AND RIGID**—A strong grid core and rigid framework faced with Asbestos* Flex-board result in a completed wall panel of exceptional durability.
- 3 LIGHT IN WEIGHT, YET SOLID**—Weighing only 4 lbs. per square foot, it provides the privacy required of a quality dividing partition.
- 4 EASILY AND QUICKLY ERECTED**—Made possible by exclusive patented features and by use of easily handled component units.
- 5 REQUIRES NO SPECIAL TOOLS**—Ordinary carpenters' tools are all that are required. No specially trained labor is necessary.
- 6 ENTIRELY DRY CONSTRUCTION**—Eliminates dirt and mess, common in masonry construction. Permits walls to be painted immediately if desired.
- 7 RELOCATION WITH 100% SALVAGE**—The use of interchangeable parts assures maximum re-use of all materials.
- 8 PLEASING MODERN APPEARANCE**—May be painted to exacting requirements or waxed to bring out the enhancing beauty of the natural Flex-board.
- 9 WIRING EASILY ACCESSIBLE**—Space for wiring is provided within the partition and is easily accessible.

*Reg. U. S. Pat. Off.



Combined photo and drawing show how Universal panels are set to form structurally solid yet movable partitions.

SPECIFICATIONS FOR UNIVERSAL TYPE — SHORT FORM

GENERAL: The work contemplated under this specification shall include all material, labor, equipment and services necessary for the installation of interchangeable Johns-Manville Movable Transite Walls, Universal Type, as shown on drawings and herein specified.

MATERIAL: Universal Panels forming the structural and finished body of the wall shall be 1¾" thick panels, with ⅛" Transite exterior faces, with moulded S joints at each end of panel forming structural tie of wall and light stop joint, with interior body of panel formed by Insulating Board interlocking strip core. At top and bottom at each end of panels stile is to be continued 1" above and below main panel with proper notches to receive connecting bolts. Panels shall be 1¾" thick with smooth, true surfaces. All material shall be the manufacturer's standard for Universal Type Transite Walls.

CONSTRUCTION: Set floor channel, apply panel and base support, set panels into supports, maintaining S joint plumb and true, set panel cap and bolt through at top and bottom with ¼" carriage bolts ready to receive top stiffening rail and mould. All construction shall be in accordance with Transite Wall Universal Type standard details and methods of erection with finish as required (state in detail finish desired).

WORKMANSHIP: The finished work shall be strong, rigid, neat in appearance and free from defects or buckles. Walls shall be erected in a rigid, substantial manner, straight and plumb. Hardware shall be carefully adjusted, and entire work completed and left in perfect condition.

TRANSITE TOILET COMPARTMENTS

The most important requirement of any washroom equipment is an easily cleaned, smooth surface, that will withstand abuse, and needs little if any maintenance. J-M Transite Toilet Compartments more than meet this requirement. They are made of the same durable asbestos-cement as Transite walls. They have a sanitary, easy to maintain surface. They are structurally strong and permanent, yet their cost compares favorably with that of any similar product of comparable character, finish and durability. They are architecturally correct for almost any washroom design and treatment, and are highly resistant to steam and hot water. Furthermore, they will not burn, rust or decay.

J-M Transite Wall Compartments are built of 1" thick solid Transite panels to the usual standard heights. They are furnished with a full line of hardware and necessary accessories. The standard finish is natural gray Transite, waxed.



Above: Transite compartments with head rail are able to withstand severe abuse. Below: Transite compartments are the suspended type — unobstructed floor areas permit easy cleaning.

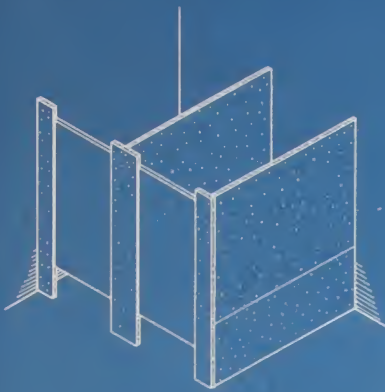


Above: The free-standing type of compartment is modernistic, attractive and neat in appearance, yet it provides a sturdy and durable enclosure.

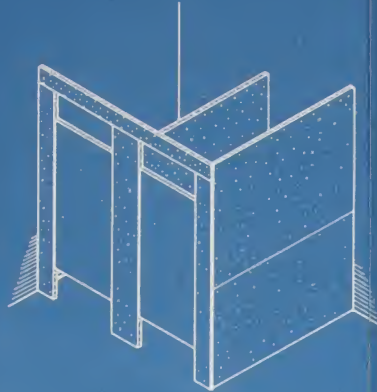


JOHNS - MANVILLE

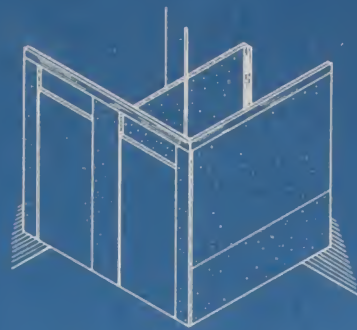
CONSTRUCTION DETAILS TRANSITE TOILET COMPARTMENTS



FREE STANDING



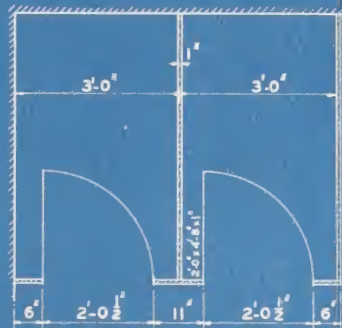
HEAD RAIL TYPE



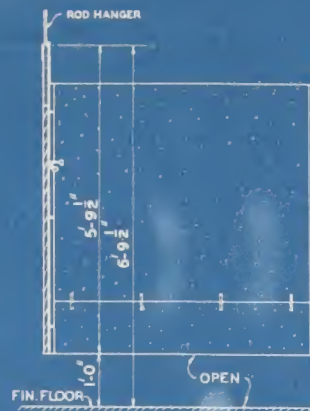
SUSPENDED



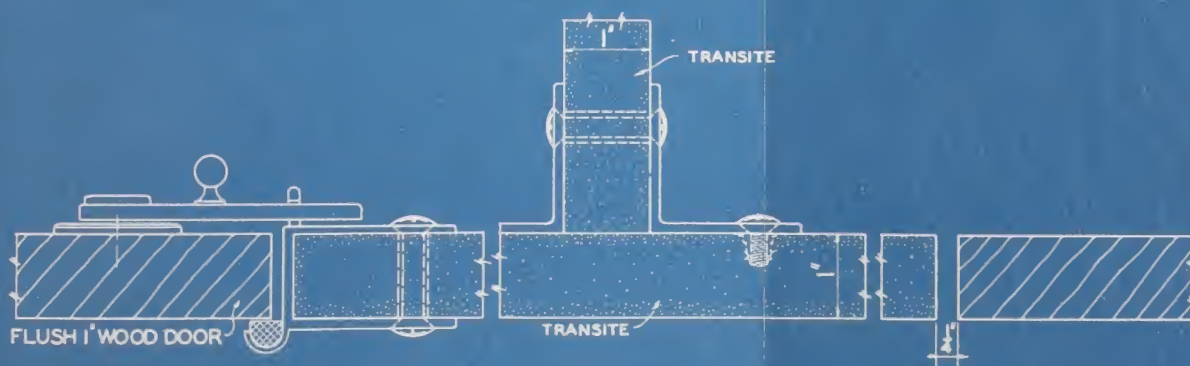
SECTION-A'
DIVIDER-STANDING TYPE



TYPICAL PLAN



SECTION-A'
DIVIDER-SUSPENDED TYPE



PLAN SECTION

SOME TYPICAL INSTALLATIONS OF TRANSITE WALLS

Allied Products Inc.
Allis Chalmers Mfg. Co.
Aluminum Co. of America
American Brass Co.
American Locomotive Co.
American Optical Co.
American Steel & Wire Co.
American Sugar Refining Co.
American Tel. and Tel. Co.
American Viscose Corp.
Atlas Powder Co.
Bakelite Corporation
Bankers Trust Co.
Beech-Nut Packing Co.
Boston Consolidated Gas Co.
Brunswick-Balke-Collender Co., Inc.
Carbide & Carbon Chemical Corp.
Central Hanover Bank & Trust Co.
Chase Brass & Copper Co.
Chemical Bank & Trust Co.
Chesapeake and Ohio R.R. Co.
Cincinnati Gas & Elec. Co.
Cleveland Graphite Bronze Co.
Cleveland Terminal Bldg.
Colgate-Palmolive-Peet Co.
Columbia Broadcasting System, Inc.
Commodore Hotel, N. Y.
Commonwealth Edison Co.
Consolidated Gas Co., Balt.
Corn Products Refining Co.
Crosley Corp.
Crown Can Co.
Curtiss-Wright Co.
E. I. du Pont de Nemours & Co., Inc.
Eli Lilly & Co.
E. R. Squibb & Sons
Federal Land Bank, Balt.

Federal Telephone & Radio Co.
Fisher Body Co.
Forstmann Woolen Co.
Frigidaire Division of General Motors
General Dyestuff Corp.
General Electric Co.
Guaranty Trust Co. of N. Y.
H. J. Heinz Co.
Hartford Fire Ins. Co.
Hastings Manufacturing Co.
Hercules Powder Co.
Hickok Manufacturing Co.
Hospital for Chronic Diseases (N.Y.)
Hostess Cake Co.
Howard Clothes, Inc.
Illinois Bell Telephone Co.
Illinois Central System
International Business Machines Corp.
International Nickel Co.
International Printing Ink Co.
Intertype Corp.
Irvington Varnish & Insulation Co.
Jacobs Aircraft Eng. Co.
Jewel Tea Co.
S. H. Kress & Co.
Lehman Bros.
Lever Brothers Co.
Liberty Life Insurance Co.
Long Island Lighting Co.
Marshall Field Estate
Mass. Mutual Life Ins. Co.
Meredith Pub. Co.
Metropolitan Life Ins. Co.
Milwaukee Vocational School
Monarch Life Insurance Co.

Morgan Stanley & Co.
Mutual Broadcasting System
Mutual Chemical Co.
National Biscuit Co.
National Board, Y.W.C.A.
National Broadcasting Co.
National City Realty Co.
National Electrotape Co.
New England Mutual Life Insurance Co.
New England Tel. and Tel. Co.
New Hampshire State Office Bldg.
Norfolk Newspapers, Inc.
Northwestern Bell Tel. Co.
Northwestern University
New York Stock Exchange
Ohio Oil Co.
Pacific Tel. & Tel.
Paine Webber & Co.
Pan American Airways
Penn. R. R.
Pittsburgh Post-Gazette
Porcelain Enamel and Mfg. Co.
Pratt & Whitney
Procter & Gamble Co.
Prudential Insurance Co. of America
Publication Corp.
Remington Rand, Inc.
Republic Steel Corp.
Rochester Telephone Co.
Rockefeller Center, Inc.
Jacob Ruppert (Brewery)
Schenley Distillers Corp.
Scott Paper Co.
Scovill Mfg. Co.

Scully Steel Prod. Co.
Sealed Power Corp.
Shell Union Oil Corp.
Simmons Company
Sinclair Refining Co.
Spencer Thermostat Co.
Southern New England Tel. Co.
Sperry Gyroscope Co., Inc.
Standard Oil Co. of N. J.
Standard Sanitary Mfg. Co.
Standard Ultramarine Co.
Stanley Works
Stone & Webster Realty Co.
Tennessee Valley Authority
Trenton Trust Co.
Transcontinental and Western Air, Inc.
Underwriters' Laboratories, Inc.
Union Dime Savings Bank
United Air Lines
United Drug Company
United Life and Accident Insurance Co.
United Shoe Machinery Co.
U. S. Envelope Co.
U. S. Industrial Alcohol Co.
U. S. Steel Corp.
U. S. Treasury Dept.
Wagner Electric Corp.
Waldorf-Astoria Hotel
West Penn Power Co.
Western Electric Co.
Westinghouse Electric & Mfg. Co.
Wisconsin Telephone Co.
The Wm. S. Merrell Co.
Yale & Towne Mfg. Co., Ltd.
Yardley & Co., Ltd.

IN CANADA

American Can Co.
Bell Telephone Co.

Canadian National Railways
Chrysler Corp. of Canada, Ltd.

Firestone Tire and Rubber Co. of Canada, Ltd.
J. J. Gibbons Advertising Co.

W. C. MacDonald Tobacco Co., Ltd.
MacLaren Advertising Co., Ltd.

Canadian Broadcasting Corp. Colgate-Palmolive-Peet Co., Ltd. Goodyear Tire and Rubber Co. of Canada, Ltd.

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Johns-Manville

EXECUTIVE OFFICES: 22 EAST FORTIETH STREET, NEW YORK 16, N. Y.

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KANSAS CITY
LOS ANGELES

MILWAUKEE
MINNEAPOLIS
NEW ORLEANS
NEW YORK
PHILADELPHIA

PITTSBURGH
ROCHESTER
SAN FRANCISCO
ST. LOUIS
SYRACUSE

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VANCOUVER